

Title (en)

TORQUE COMPENSATION FOR A HELICOPTER

Title (de)

DREHMOMENTENAUSGLEICH FÜR EINEN HELIKOPTER

Title (fr)

COMPENSATION DE COUPLE POUR UN HÉLICOPTÈRE

Publication

EP 2598399 A1 20130605 (DE)

Application

EP 11714513 A 20110405

Priority

- DE 102010032217 A 20100726
- EP 2011055259 W 20110405

Abstract (en)

[origin: WO2012013365A1] The invention relates to compensation for the torque which is produced by the main rotor (110) of a helicopter (100). The apparatus according to the invention for torque compensation is intended for a helicopter whose main rotor rotates about a rotation axis (RH) during operation and thus produces a torque, which acts on the fuselage (120) of the helicopter and would cause it to rotate. The apparatus comprises a lateral flow fan (200) having a housing (210) and having a rotor (220) which is mounted in the housing, wherein the lateral flow fan is arranged on the tail boom (130) of the helicopter such that it produces a thrust effect (F) during operation which compensates for the torque of the main rotor.

IPC 8 full level

B64C 27/82 (2006.01)

CPC (source: EP US)

B64C 27/82 (2013.01 - EP US); **B64C 2027/8218** (2013.01 - EP US); **B64C 2027/8245** (2013.01 - EP US); **B64C 2027/8254** (2013.01 - EP US)

Citation (search report)

See references of WO 2012013365A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010032217 A1 20120126; CN 103052564 A 20130417; CN 103052564 B 20160511; EP 2598399 A1 20130605; RU 2013108260 A 20140910; RU 2568529 C2 20151120; US 2013119186 A1 20130516; US 9452832 B2 20160927; WO 2012013365 A1 20120202

DOCDB simple family (application)

DE 102010032217 A 20100726; CN 201180036280 A 20110405; EP 11714513 A 20110405; EP 2011055259 W 20110405; RU 2013108260 A 20110405; US 201113812105 A 20110405